

Appl. No. 10/647,521

Attorney Docket No. 10541-1832

**I. Listing of Claims**

1. (Previously Presented) A vehicle temperature control system, comprising:

a housing having an intake opening for air intake and an output opening for output air;

an evaporator core disposed in the housing and in fluid communication with the intake opening, the evaporator core having an input face and an output face;

a heater core disposed in the housing downstream from the evaporator core and in fluid communication with the evaporator core, defining a space between the evaporator core and the heater core, the heater core having a first portion and a second portion, the second portion of the heater core being closer to the output opening than the first portion of the heater core, the heater core having an input face and an output face, the output face being located closer to the evaporator core than the input face;

a separation wall having a first end and a second end, the first end being attached to the first portion of the heater core and extending therefrom along the length of the heater core in the space between the evaporator core and the heater core towards the output opening;

wherein the output face of the evaporator core substantially faces the output face of the heater core;

wherein the length of the evaporator core defines a first plane and the length of the heater core defines a second plane; and

wherein the first plane and second plane are substantively parallel.

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